**Multiplying Monomials Step-by-Step**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Product of Powers Property**

1. = \_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_

2. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_

4. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_

5. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. = \_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. =\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Power of a Powers Property**

8. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_

9. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_

10. = \_\_\_\_\_\_ ∙ \_\_\_\_\_\_ ∙ \_\_\_\_\_\_ ∙ \_\_\_\_\_\_ ∙ \_\_\_\_\_\_ = \_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_∙ \_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_

11. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_

12. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_

**Power of a Product Property**

13. \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

14. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_

15. = \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_

16. = \_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_

17. = \_\_\_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_\_\_∙ \_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ ∙ \_\_\_\_\_\_\_\_\_∙ \_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_